

Abstract of the disclosure

210 98 A method and a device for non-invasive blood pressure measurement wherein the
angle between the hand and the wrist, and the turning angle of the wrist relative to the
5 middle part of the forearm, are kept to the most suitable degree for measuring the blood
pressure of the radial artery. At least one pressure bladder and one arterial pulse transducer
array are placed on the skin over the radial artery of the wrist to apply the external pressure
to the artery and to detect the change of the arterial pulse signals. This method and device
can correctly measure the intermittent or blood pressure of the radial artery or the ulnar
10 artery based on the principles of volume oscillation method and volume compensation
method, and effectively eliminate the influence on the measurement due to body movement
and the influence on blood circulation and neural function of the hand caused by long-term
blood pressure measurement.